PATENT
Reply under 37 CFR 1.116
EXPEDITED PROCEDURE
Group 3677

AMENDMENT(S) TO THE CLAIMS

1. (Withdrawn) An electrical assembly, comprising:

an electrical convoluted tubing with an outer surface having a plurality of generally parallel, annular convolutions defining respective grooves therebetween, each said groove having a width;

at least one electrical conductor within said tubing; and

an electrical tie around said tubing, including:

a head; and

an elongate strap having opposing sides and an end, said end being attached to said head, at least one said side having at least one longitudinally extending rib, each said rib having a width which is less than said groove width.

2. (Withdrawn) The electrical assembly of claim 1, wherein said at least one rib comprises a plurality of ribs, said plurality of ribs being substantially parallel with each other.

3. (Withdrawn) The electrical assembly of claim 2, wherein adjacent ones of said plurality of ribs have a spacing therebetween corresponding to a spacing between said convolutions.

4. (Withdrawn) The electrical assembly of claim 3 wherein adjacent ones of said plurality of ribs having a spacing therebetween corresponding to a spacing between adjacent said convolutions.

5. (Withdrawn) The electrical assembly of claim 1, said head including a locking slot for receiving said strap therein, said locking slot including opposing walls, each said wall including at least one locking tooth.

6. (Withdrawn) The electrical assembly of claim 1, said head including a hinge section allowing hinged movement of said head in a direction transverse to a longitudinal extension of said strap.

7. (Withdrawn) The electrical assembly of claim 1, said head including a mounting through-hole.

8. (Currently amended) An electrical tie, comprising:

a head; and

an elongate strap having a longitudinal direction, a first side, a second side and an end, said end being attached to said head, said first side having at least two longitudinally extending ribs, said second side having at least three longitudinally extending ribs, each said rib being substantially parallel with each other, each said rib extending a substantial portion of a longitudinal length of a corresponding side, said longitudinally extending ribs on said first side being spaced apart in a direction transverse to said longitudinal direction, said longitudinally extending ribs on said second side being spaced apart in a direction transverse to said longitudinal direction, said at least three longitudinally extending ribs on said second side including serrations.

9. (Canceled)

10. (Canceled)

11. (Previously presented) The electrical tie of claim 8, said at least two ribs comprising two ribs on said first side and said at least three ribs comprising three ribs on said second side.

12. (Canceled) The electrical tie of claim 11, said three ribs on said second side including serrations.

13. (Currently amended) An electrical tie, comprising:

an elongate strap having opposing sides and an end, at least one said side having a plurality of serrations, said serrations include one of projections and recesses, at least one said side has at least one longitudinally extending rib, at least one said rib including serrations in said rib; and

a head attached to said end, said head including a locking slot for receiving said strap therein, said locking slot including opposing walls, each said wall having three rib openings, each said wall including at least one locking tooth.

14. (Canceled)

15. (Canceled)

16. (Original) The electrical tie of claim 13, each said wall including a plurality of locking teeth.

17. (Original) The electrical tie of claim 16, said plurality of locking teeth having a ramped, cantilever beam construction.

18. (Currently amended) An electrical tie, comprising:

an elongate strap having a longitudinal extension, opposing sides and an end, at least one said side including serrations; and

a head attached to said end, said head including a locking slot for receiving said strap therein and interconnecting with said serrations, said head including opposing sides and a perimeter wall extending on each said opposing side, said wall located on a perimeter of said head, said perimeter wall including at least one notch on each said opposing side in said perimeter wall, said notches creating a hinge section allowing hinged movement of said head in a direction transverse to said longitudinal extension.

19. (Original) The electrical tie of claim 18, said hinged section comprising a thinned section.

20. (Original) The electrical tie of claim 18, said hinge section allowing hinged movement of said head in a direction generally perpendicular to said longitudinal extension

21. (Previously presented) An electrical tie, comprising:

an elongate strap having opposing sides and an end, at least one said side including serrations; and

a head attached to said end, said head including a locking slot for receiving said strap therein and interconnecting with said serrations, said head including a shoulder with an inside perimeter defining a mounting through-hole, said inside perimeter being polygonal.

22. (Original) The electrical tie of claim 21, said mounting through-hole extending in a direction generally coincident with said locking slot.

23. (Original) The electrical tie of claim 21, said mounting through-hole having a generally cylindrical shape.

24. (Original) The electrical tie of claim 21, said elongate strap having a longitudinal extension, said head including a hinge section allowing hinged movement of said head in a direction transverse to said longitudinal extension.